where d is a distance measure, b is an observed behavior, sg is a signal generator, n is a number of signal generators, and w is a weight associated with each signal generator.

16. The one or more computer-readable media of claim **12**, wherein the values in the time series range from 0 to 1, and the one or more affect scores range from 0 to 1.

17. A system, comprising:

one or more cameras that capture data related to a behavior of one or more individuals in an environment;

one or more computing devices comprising one or more processors that:

receive the data from the one or more cameras;

generate metadata of one or more video analytics streams produced from the data;

generate one or more time series of values based on the metadata;

generate one or more affect scores for the one or more time series;

perform one shot learning using the data to determine whether an observed behavior determined based on the one or more affect scores related to the one or more individuals matches a query behavior, wherein one shot learning comprises performing pairwise matching that is performed after only a single observation of an instance of the query behavior is obtained; and

perform an action when the observed behavior matches the query behavior.

18. The system of claim **17**, wherein the one or more cameras comprise red, green, blue, depth (RGB+D) cameras that capture estimates of location and articulated body motion, and fixed cameras and pan tilt zoom (PTZ) cameras that capture facial imagery.

19. The system of claim **17**, wherein the one or more computing devices comprise a smartphone, a smartwatch, a tablet, a laptop computer, a desktop computer, a server in a cloud-based computing system, or some combination thereof.

20. The system of claim **17**, wherein the action comprises sounding an alarm, calling emergency services, triggering an alert, sending a message, displaying an alert, or some combination thereof.

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